



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

EBESU et al.

Serial No. 10/718,693

Art Unit:

Filed: November 24, 2003

Examiner:

For: CIGUA-DART METHOD FOR DETECTION
OF CIGUATERA TOXINS

LETTER

To the Director of the Patent and Trademark Office

Sir:

This application is a division of application Serial No. 09/901,016 (now patent 6,652,807) filed on July 10, 2001 which claims the benefit of U.S. Provisional Patent Application No. 60/218,048 filed July 13, 2000.

The applicant respectfully requests the Examiner to consider the references of record in the parent case. Copies of Information Disclosure Statement with Form PTO 1449 (Modified) (10 pages) and Supplemental Information Disclosure Statement with Form PTO 1449 (Modified) (2 pages) are attached.

Respectfully,

James C. Wray, Reg. No. 22,693
Meera P. Narasimhan, Reg. No. 40,252
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January 28, 2004
Enclosures



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

EBESU ET AL.

Serial No. 09/901,016

Art Unit: 1619

Filed: July 10, 2001

Examiner

For: CIGUA-DART METHOD FOR DETECTION OF CIGUATERA TOXINS

INFORMATION DISCLOSURE STATEMENT

To the Director of the Patent and Trademark Office

Sir:

Under the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, applicant submits herewith copies of publications that the Patent Office may wish to consider in examination of the subject application. The publications are listed on the attached Form PTO 1449 (modified).

Respectfully,

James C. Wray, Reg. No. 22,693
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1493 Chain Bridge Road
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October 11, 2001

JAN 28 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

EBESU ET AL.

Serial No. 09/901,016

Art Unit: 1619

Filed: July 10, 2001

Examiner

For: CIGUA-DART METHOD FOR DETECTION OF CIGUATERA TOXINS

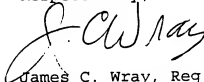
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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October 16, 2001

FORM PTO 1449 (modified)

JAN 28 2004

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

LIST OF REFERENCES CITED BY APPLICANT(S)

(Use several sheets if necessary)

Date Submitted to PTO:

ATTY DOCKET NO.

SERIAL NO.
09/901,016APPLICANT
EBESU ET AL.

FILING DATE July 10, 2001

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,238,652	8/24/1993	Sun et al.			
	AB	5,266,497	11/30/1993	Imai et al.			
	AC						
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OTHER DOCUMENT(S) (including Author, Title, Date, Pertinent Pages, Etc.)

AN	Hokama et al.; <u>A rapid enzyme-immunoassay for the detection of ciguatoxin in contaminated fish tissues</u> ; Toxicon, Vol. 21 No. 6, (1983); Pages 817-824
AO	Hokama et al.; <u>Monoclonal antibodies (Mongabs) to ciguatoxin and related polypeptides</u> ; Immunological Approaches to Coastal, Estuarine and Oceanographic Questions, Yeutsch et al., Vol. 25 (1988); Pages 155-165
AP	Bangs, Leigh B.; <u>Latex Agglutination Tests</u> ; American Clinical Laboratory News Edition; June 1988, 6 pages
AQ	McHugh et al.; <u>development of a micro-sphere based fluorescent immunoassay and its comparison to an enzyme immunoassay for the detection of antibodies to three antigen preparations from Candida albicans</u> ; Journal of Immunological Methods; Vol. 116, (1989); Pages 213-219

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 802; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 (modified)

JAN 28 2004

U.S. DEPARTMENT OF COMMERCE
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OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

AN	Bangs, Leigh B.; <u>Latex Immunoassays</u> ; Journal of Clinical Immunoassay; Vol. 23. No.3, (1990); Pages 127-131
AO	Hokama, Yoshitsugi; <u>Recent methods for detection of seafood toxins: recent immunological methods for ciguatoxin and related polyethers</u> ; Food Additives and Contaminants, Vol. 10, No. 1, (1993); Pages 71-82
AP	Hokama et al.; <u>Human Intoxications from Hawaiian reef fishes associated with diverse marine toxins</u> ; Journal of Natural Toxins, Vol. 5, No. 2, (1996); Pages 235-246
AQ	Bangs, Leigh B.; <u>New developments in particle-based immunoassays: introduction</u> ; Pure and Applied Chemistry, Vol. 68, No. 10, (1996); Pages 1873-1879

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FORM PTO 1429 (modified)

ATTY DOCKET NO.

SERIAL NO.
09/901,106APPLICANT
EBESU ET AL.

FILING DATE July 10, 2001

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U.S. DEPARTMENT OF COMMERCE
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(Use several sheets if necessary)

Date Submitted to PTO:

U. S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,816,392	3/28/1989	Hokama			
	AB	5,525,525	6/11/1996	Hokama			
	AC	5,866,430	2/2/1999	Grow			
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FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

AP	Hokama et al.; <u>A radio immunoassay for the detection of ciguatoxin</u> ; Toxicon, Vol. 15 (1977); Pages 317-325
AQ	Tachibana, Kazuo; <u>Structural Studies of Marine Toxins</u> ; Ph.D. Dissertation in Chemistry, Univ. of Hawaii, August 1980

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FORM PTO 1449 (modified)

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09/901,106U.S. DEPARTMENT OF COMMERCE
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OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

AP	Kimura et al.; <u>Comparison of three different assays for the assessment ciguatoxin in fish tissues; radioimmunoassay, mouse bioassay, and in vitro guinea pig atrium assay</u> ; Toxicol. Vol. 20, No. 5, (1982); Pages 907-912
AQ	Hokama, Y.; <u>A rapid simplified enzyme immunoassay stick test for the detection of ciguatoxin and related polyethers from fish tissues</u> ; Toxicol. Vol. 23, No. 6, (1985); Pages 939-946

EXAMINER

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FORM PTO 1449 (Rev. 10-97)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

JAN 28 2004

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OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

AP	Lewis, Nancy D.; <u>Epidemiology and Impact of Ciguatera in the Pacific: A Review</u> ; Marine Fisheries Review, Vol. 48, No. 4, (1986); Pages 6-13
AQ	Lombet et al.; <u>Ciguatoxin and brevetoxins share a common receptor site on the neuronal voltage-dependent Na⁺ channel</u> ; Federation of European Biochemical Societies Letters, Volume 219, No. 2, (July 1987); Pages 355-359

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FORM PTO 1449 (Rev. 10/97)

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OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AP	Taylor et al.; <u>Optimization of a Flow Injection Sampling System for Quantitative Analysis of Dilute Aqueous Solutions Using Combined Resonance and Surface-Enhanced Raman Spectroscopy (SERRS)</u> ; Applied Spectroscopy, Vol. 44, No. 4, (1990); Pages 635-640
	AQ	Hokama, Y.; <u>Simplified Solid-Phase Immunoassay for Detection of Ciguatera and Related Polyethers</u> ; Journal of Clinical Laboratory Analysis, Vol. 4, (1990); Pages 213-217

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FORM PTO 1449 (modified)

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OTHER DOCUMENT(S) (including Author, Title, Date, Pertinent Pages, Etc.)

AP	Kang Xi et al.; <u>Determination of Low Concentrations of the Azo-Dye Complex of Nitrite in Fresh Water and Seawater Using Surface-Enhanced Resonance Raman Spectroscopy (SERR)</u> ; Applied Spectroscopy, Vol. 46, No. 5, (1992); Pages 819-826
AQ	Yasumoto et al.; <u>Marine Toxins</u> ; Chemical Review, Vol.93, (1993); Pages 1897-1909

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AP	Hokama et al.; <u>Evaluation of the Hawaiian Reef Fishes with the Solid Phase Immunobead Assay</u> ; Journal of Clinical Laboratory Analysis, vol. 7, (1993); Pages 26-30
AQ	Manger et al.; <u>Detection of Sodium Channel Toxins: Directed Cytotoxicity Assays of Purified Ciguatera, Brevetoxins, Saxitoxins, and Seafood Extracts</u> ; Journal of the AOAC International, Vol. 78, No. 2, (1995); Pages 521-527

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FORM PTO 1449 (modified)

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09/901,106U.S. DEPARTMENT OF COMMERCE
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OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

AP	Barton et al.; <u>Ciguatera Fish Poisoning: A Southern California Epidemic</u> ; Western Journal of Medicine, Vol. 163, (1995); Pages 31-35
AQ	De Haro et al.; <u>Mass ciguatera fish poisoning after eating barracuda in Mexico: Prognostic and Therapeutic Implications</u> ; (In French); Med Trop(Mars); Vol. 57, (1997); Pages 55-58

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FORM PTO 1449 (Rev. 10/97)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

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AP	Nie et al.; <u>Probing Single Molecules and Single Nanoparticles by Surface Enhanced Raman Scattering</u> ; science, Vol. 275, (21 February 1997); Pages 1102-1106
AQ	Hokama et al.; <u>Latex antibody test (LAT) for detection of marine toxins in ciguateric fish</u> ; Journal of Natural Toxins, Vol. 6, No. 1, (1997); Pages 35-50

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AP	Bruneau et al.; <u>Ciguatera fish poisoning linked to the ingestion of barracuda in a Montreal restaurant</u> ; Canada Communicable Disease Report, Vol. 23-20, (October 15, 1997); Pages 1-4
AQ	Sierra-Beltran et al.; <u>An overview of the marine food poisoning in Mexico</u> ; Toxicon, Vol. 36, No. 11, (1998); Pages 1493-1502

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AQ	Internet Search Results; Sanner et al.; <u>Ciguatera fish poisoning following travel to the tropics</u> ; Lechuga-Devese et al.; <u>Documented case of ciguatera on the Mexican Pacific coast</u> ; Arcila-Herrera et al.; <u>Ten cases of...</u> ; Blume et al.; <u>Ciguatera...</u> ; (Abstracts) www.ncbi.nlm.nih.gov; (PubMed) 10/2/2001; 4 pages

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